

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



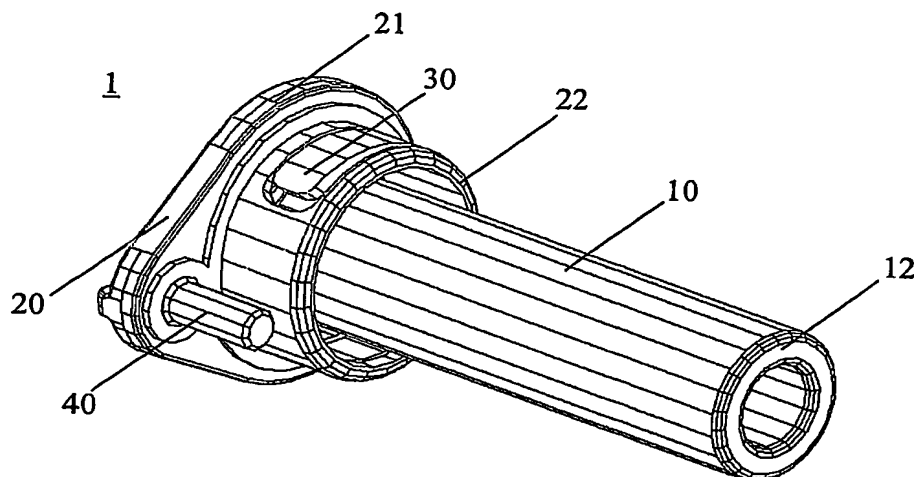
(43) International Publication Date
14 October 2004 (14.10.2004)

PCT

(10) International Publication Number
WO 2004/088149 A2

- (51) International Patent Classification⁷: **F16B**
- (21) International Application Number: PCT/EP2004/003597
- (22) International Filing Date: 5 April 2004 (05.04.2004)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
103 15 234.2 3 April 2003 (03.04.2003) DE
- (71) Applicant (for all designated States except US): **FICO CABLES S.A.** [ES/ES]; Technological Centre Pujol & Tarragó, Poligono Industrial Can Margarola, Ctra. C-17 km 13, E-08100 Mollet del Vallès (ES).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **BARRIOS VILLÁ, Josep** [ES/ES]; C/Bages, 3, E-08233 Vacarisses (ES). **TERRADAS PRAT, Jaume** [ES/ES]; C/Rosselló 492, 2^o2a, E-08025 Barcelona (ES). **SANCHEZ REVILLA, Eduardo** [ES/ES]; C/Serra Camaró, 18, E-08026 Sabadell (ES). **GRAS, David, Alonso** [ES/ES]; Av. Rius i Taulet 34, 3^o 3a, E-08190 Sant Cugat del Vallés (ES). **PARDO ALOY, David** [ES/ES]; Av. Bertomeau, 27, E-08193 Bellaterra (ES). **JORNET VIDAL, Jordi** [ES/ES]; C/Galvani 110, 3^o 3a, E-08224 Terrassa (ES).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:
— without international search report and to be republished upon receipt of that report
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: SELF-LOCKING SHAFT



(57) Abstract: The present invention relates to a self-locking shaft (1), which comprises a shaft portion (10) and a head portion (20) for the mounting of the shaft (1) at a support (50), wherein the head portion (20) comprises resilient clips (30), which latch with the support (50) during a rotational mounting motion of the (1) with respect to the support (50). Further, this invention relates to a support (50) for a self-locking shaft (1) as well as a method for the assembly of a self-locking shaft (1) within a support (50).